Introduction

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Recently, an advanced research was focused on new technologies of information and communication, considered as a relevant research area, which attract researchers from multiple and multidisciplinary domains. This area is susceptible to serve multiple domains and applications by proposing solutions applied to numerous process and services.

The IoT interest both industrial and researchers because they become an important part of coordinated networks of components that act together towards collecting, distributing and or processing information. The growth of technology permits an integration of those components with telecommunication equipment for storing, retrieving, manipulating and storage of data. In addition, the aspect of information and communication security becomes crucial in all computer areas where we cannot build software and communication infrastructure without thinking to security politics and measures.

The special issue aims for the advancement in internet of things and security. It covers multiple axes of research in computer sciences and communications fields.

The main objective of this special issue is to highlight revised and extended versions of best selected papers presented at the international conference on Networking, Information Systems and Security (NISS18). The presented work, here, was a result of scientist contributions, discussions led by researchers and industrial engineers on experimental or theoretical innovations, novel designs, work-in-progress, experiences, case studies, and trend-setting ideas in the area of new technologies of information and communication systems.

The papers published in this special issue are the result of real collaboration with the publisher and team work pursuing a rigorous peer review process with journal team and volunteers' reviewers in the domain.

We hope that readers will find this special issue to be a useful selected scientific paper, which offers valuable information and an advanced/basic work for further researches in this area.